



Attorney's Docket No.: 10274-006002 / D011 CIP²

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Wallner et al. Art Unit : Unknown
Serial No. : 09/730,465 Examiner : Unknown
Filed : December 5, 2000
Title : METHOD OF PROPHYLAXIS OR TREATMENT OF ANTIGEN PRESENTING CELL DRIVEN SKIN CONDITIONS USING INHIBITORS OF THE CD2/LFA-3 INTERACTION

Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449.

Under 35 USC §120, this application relies on the earlier filing date of application serial number 08/466,465, filed on June 6, 1996. References AA-ATTTT were submitted to and/or cited by the Office in the prior application and, therefore, are not provided in this application. References AVVVV-AIIII are submitted herewith.

This statement is not to be interpreted as a representation that the cited references are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any reference herein be construed per se as a representation that such reference is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited references.

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This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 24, 2001

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Attorney's Docket No.
10274-006002

Application No.
09/730,465

**Information Disclosure Statement
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(37 CFR §1.98(b))

Applicant
Wallner et al.

Filing Date
December 5, 2000

Group Art Unit

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	08/459,350		Wallner et al.			June 2, 1995
	AB	4,956,281	Sept. 9, 1990	Wallner et al.			
	AC	5,225,538	July 6, 1993	Capon et al.			
	AD	5,547,853	Aug. 20, 1996	Wallner et al.			

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE	EP O 280 578	02/1988	EPO				
	AF	WO 90/02181	03/1990	WIPO				
	AG	WO 90/08187	07/1990	WIPO				

Other Documents (include Author, Title, Date, and Place of Publication)

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	AH	(Editors) (1990) "Adhesion Molecules in Diagnosis and Treatment of Inflammatory Diseases" <i>The Lancet</i> 336:1351-1352
	AI	Abraham et al. (1990) "Interactions Between Lymphocytes and Dermal Fibroblasts: An <i>In Vitro</i> Model of Cutaneous Lymphocyte Trafficking" <i>Exp. Cell. Res.</i> 190:118-126
	AJ	Abraham et al. (1991) "Expression and Function of Surface Antigens on Scleroderma Fibroblasts" <i>Arthritis and Rheumatism</i> 34(9):1164-1172
	AK	Altman et al. (1990) "Transfection of Genes For Cell Surface Products Involved in Antigen Presentation-Applications to the Understanding of Autoimmunity" <i>Autoimmunity</i> 7:213-220
	AL	Baadsgaard et al. (1989) "Psoriac Epidermal Cells Demonstrate Increased Numbers and Function of Non-Langerhans Antigen-presenting Cells" <i>J. Invest. Dermatol.</i> 92:190-195;
	AM	Baadsgaard, O. et al. <i>J. Invest. Dermatol.</i> 92(2): 190-195 (1989)
	AN	Barbosa et al. (1986) "Gene Mapping And Somatic Cell Hybrid Analysis Of The Role Of Human Lymphocyte Function-Associated Antigen-3 (LFA-3) In CTL-Target Cell Interactions: <i>J. Immunol.</i> 136:3085-3091;
	AO	Bierer and Burakoff (1988) "T Cell Adhesion Molecules" <i>FASEB J.</i> 2:2584-2590;
	AP	Bierer et al. (1988) "Expression of the T-Cell Surface Molecule CD2 and an Epitope-Loss CD2 Mutant to Define the Role of Lymphocyte Function-Associated Antigen 3 (LFA-3) in T-Cell Activation" <i>Proc. Natl. Acad. Sci. USA</i> 85:1194-1198
	AQ	Bierer et al. (1989) "A Monoclonal Antibody to LFA-3, the CD2 Ligand, Specifically Immobilizes Major Histocompatibility Complex Proteins" <i>Eur. J. Immunol.</i> 19:661-665;

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Patent and Trademark OfficeAttorney's Docket No.
10274-006002Application No.
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	AR	Bockenstedt et al. (1988) "The CD2 Ligand LFA-3 Activates T Cells But Depends On The Expression And Function Of The Antigen Receptor" J. Immunol. 141:1904-1911;
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	AT	Brown et al. (1987) "T2.2 Characterization Of CD2 Epitopes By Western Blotting: In Leukocyte Typing III, A.J. McMichael (ed.) Oxford, England: Oxford University Press, 110-112;
	AU	Brown et al. (1989) "The CD2 Antigen Associates With The T-Cell Antigen Receptor CD3 Antigen Complex On The Surface Of Human T Lymphocytes" Nature 339: 551-553;
	AV	Chang et al. (1992) "T-Cell Activation Is Potentiated By Cytokines Released by Lesional Psoriatic, but not Normal, Epidermis" Arch Dermatol. 128:1478
	AW	Chin, Y.H. et al. J. Invest. Dermatol. 93(2) Supplemental: 82S-87S (1989)
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	ACC	Cunningham and Harris (1992) "Antibody engineering - how to be human: TIBTECH 10;
	ADD	Curtis and Barnes (1992) "The Nature of Science" in Biology, 5 th ed. (Worth Publishers, Inc.): 14-15;
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	AKK	Haynes, B.F. et al. Arthritis and Rheum. 31 (8): 947-955 (1988)
	ALL	Howard et al. (1981) "A human T lymphocyte differentiation marker defined by monoclonal antibodies that block E-rosette formation: J. Immunol. 126:2117-2122;

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	AOO	Kaplan et al. (1987) "Distribution and Turnover of Langerhans Cells During Delayed Immune Responses in Human Skin" J. Exp. Med. 165:763-776;
	APP	Koyasu et al. (1990), "Role of Interaction Of CD2 Molecules With Lymphocyte Function-Associated Antigen 3 In T-Cell Recognition of Nominal Antigen" Proc. Natl. Acad. Sci. USA 87: 2603-2607;
	AQQ	Krensky (1990) "The Human Cytolytic T Lymphocyte Response to Transplantation Antigens" Pediatric Res. 19: 1231-1234;
	ARR	Krensky et al. (1983) "The Functional Significance, Distribution, and Structure of LFA-1, LFA-2, and LFA-3: Cell Surface Antigens Associated With CTL-Target Interactions" J. Immunol. 131:611-616;
	ASS	Krensky et al. (1984) "Human Lymphocyte Function Associated Antigens" Surv. Immunol. Res. 3:39-44;
	ATT	Larson and Springer (1990) "Structure and function of leukocyte integrins" Immunol. Revs. 114:181-217;
	AUU	Le et al. (1987) "Anti-LFA-3 Monoclonal Antibody Induced Interleukin 1 (IL 3) Release by Thymic Epithelial (TE) Cells and Monocytes" FASEB J. 46(3):447 Abstract 761;
	AVV	Le et al. (1990) "Ligan Binding to the LFA-3 Cell Adhesion Molecule Induces IL-1 Production By Human Thymic Epithelial Cells" J. Immunol. 144:4541-4547;
	AWW	Makgoba et al. (1989) "The CDA2-LFA-3 And LFA-1-ICAM Pathways: Relevance to T-Cell Recognition" Immunol. Today 10:417-422;
	AXX	Makgoba, M. et al. Immunol. Today 10 (12): 417-422 (1989)
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	AAAA	Meuer et al. (1984) "An Alternative Pathway of T Cell Activation: A Functional Role for the 50 kd T11 Sheep Erythrocyte Receptor Protein" Cell 36:897-906;
	ABBB	Meuer et al. (1984) "The human T-cell receptor" Ann. Rev. Immunol. 2:23-50;
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AHHH	Nouri et al. (1990) "Selective and non-selective loss of immunoregulatory molecules (HLA-A,B,C antigens and LFA-3) in transitional cell carcinoma" J. Br. Cancer 62:603-606;	
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AJJJ	Pepino et al. (1989) "Primate Cardiac Allo- and Xenotransplantation: Modulation of the Immune Response with Photochemotherapy" Eur. Surg. Res. 21:105-113;	
AKKK	Peterson and Seed (1987) "Monoclonal Antibody And Ligand Binding Sites of the T Cell Erythrocyte Receptor (CD2)" Nature 329:842-846;	
ALLL	Picker et al. (1990) "A Unique Phenotype of Skin-associated Lymphocytes in Humans" Am. J. Path. 136(5):1053-1068;	
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ASSS	Sayre et al. (1987), "Molecular cloning and expression of T11 cDNAs reveal a receptor-like structure on human T lymphocytes" Chemical Abstracts 107(15): Abstract 12821X;	
ATTT	Schopf (1986) "Stimulation of T Cells by Autologous Molecular Leukocytes and Epidermal Cells in Psoriasis" Arch. Dermatol. Res. 279:89-94;	
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1600-2500**Other Documents (include Author, Title, Date, and Place of Publication)**

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	ABBBB	Smith and Thomas (1990) "Cellular Expression of Lymphocyte Function Associated Antigens and the Intercellular Adhesion Molecule-1 in Normal Tissue" J. Clin. Path. 45:893-900;
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	ADDDD	Springer et al. (1987) "The Lymphocyte Function-Associated LFA-1, CD2, and LFA-3 Molecules: Cell Adhesion Receptors of the Immune System" Ann. Rev. Immunol. 5:223-252;
	AEEEE	Stauton et al. (1989) "Molecular characterization of ICAM-1 and ICAM-2; Alternate Ligands for LFA-1" Tissue Antigens 33:287;
	AFFFF	Stedman's Medical Dictionary, (1976) The Williams & Wilkins Company, Baltimore, MD, p. 810.
	AGGGG	Suranyi et al. (1991) "Lymphocyte Adhesion Molecules in T Cell-Mediated Lysis of Human Kidney Cells" Kidney International 39:312-319;
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	AOOOO	Waldmann (1991) "Monoclonal Antibodies in Diagnosis and Therapy," Science 252:1657-1662
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	ARRRR	Winter and Harris (1993) "Humanized antibodies" TiPS 14:139-142;
	ASSSS	Yong and Khwaja (1990) "Leukocyte Cellular Adhesion Molecules" Blood Reviews 4:211-225;
	ATTTT	Zheng et al. (1990) "Expression of Intercellular and Adhesion Molecule-1 and Lymphocyte Function-Associated Antigen-3 on Human Thyroid Epithelial Cells in Graves' and Hashimoto's Diseases" J. Autoimmunity 3:727-736;
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	AXXXX	Gamache et al. (1996) "Pharmacokinetics of LFA3TIP, an immunoglobulin fusion protein, in male and female baboons," <i>Pharmaceutical Research</i> 13 (9 Supp.): s399.
	YYYYY	Kaplon et al. (1996) "Short course single agent therapy with an LFA-3-IgG ₁ fusion protein prolongs primate cardiac allograft survival," <i>Transplantation</i> 61(3): 356-363.
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	BBBBBB	Miller et al. (1993) "Specific interaction of lymphocyte function associated antigen 3 with CD2 can inhibit T cell responses," <i>J. Exp. Med.</i> 178: 211-222.
	CCCCC	Moingeon et al. (1989), "CD2-mediated adhesion facilitates T lymphocyte antigen recognition function," <i>Nature</i> 339: 312-339.
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	AGGGGG	Savage et al. (1991), "Endothelial cell lymphocyte function-associated antigen-3 and an unidentified ligand act in concert to provide costimulation to human peripheral blood CD4 ⁺ T cells," <i>Cellular Immunology</i> 137: 150-163.
	AHHHHH	Sennani et al. (1994), "Costimulation by purified intercellular adhesion molecule 1 and lymphocyte function-associated antigen 3 induces distinct proliferation, cytokine and cell surface antigen profiles in human "naïve" and "memory" CD4 ⁺ T cells," <i>J. Exp. Med.</i> 180: 2125-2135.
	AIIIII	Walner et al. (1987), "Primary structure of lymphocyte function-associated antigen 3 (LFA-3): The ligand of the T lymphocyte CD2 glycoprotein," <i>J. Exp. Med.</i> 166: 623-932.

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